

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 March 2005 (03.03.2005)

PCT

(10) International Publication Number
WO 2005/018710 A3

(51) International Patent Classification⁷: **A61B 17/32**

(21) International Application Number:
PCT/US2004/026972

(22) International Filing Date: 19 August 2004 (19.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/497,025 20 August 2003 (20.08.2003) US

(71) Applicant (for all designated States except US): **FACET TECHNOLOGIES, LLC** [US/US]; 1850 Parkway Place, Suite 900, Marietta, GA 30067 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEVAUGHN, Richard, W.** [US/US]; 104 Pheasant Road, Newnan, GA 30265 (US). **KENNEDY, Gwenn, E.** [US/US]; 5 North Lakeside Drive, Ellenwood, GA 30294 (US). **FLYNN, Stephen** [US/US]; 605 Wheatleigh Curve, Peachtree City, GA 30269 (US). **GRIFFIN, Carl, E.** [US/US]; 2081 Breconridge Drive, Marietta, GA 30064 (US). **IRWIN, John, C.** [US/US]; 148 Springwater Trace, Woodstock, GA 30188 (US). **PYNES, Mary, Kate** [US/US]; 1175 Old

Harris Road #312, Dallas, GA 30157 (US). **CAMPBELL, Stephanie, J.** [US/US]; 1114 Hazeltine Lane, Kennesaw, GA 30152 (US). **RUF, Christopher, J.** [US/US]; 2120 Ithica Drive, Marietta, GA 30067-7054 (US). **SOLIS, Mitchell** [US/US]; 1975 Lexington Lane, Cumming, GA 30004 (US). **ROBBINS, Avi, M.** [US/US]; 539 Timber Ridge Drive, Longwood, FL 32779 (US). **HEATH, Jason, R.** [US/US]; 1530 Mcadoo Drive SW, Marietta, GA 30064 (US).

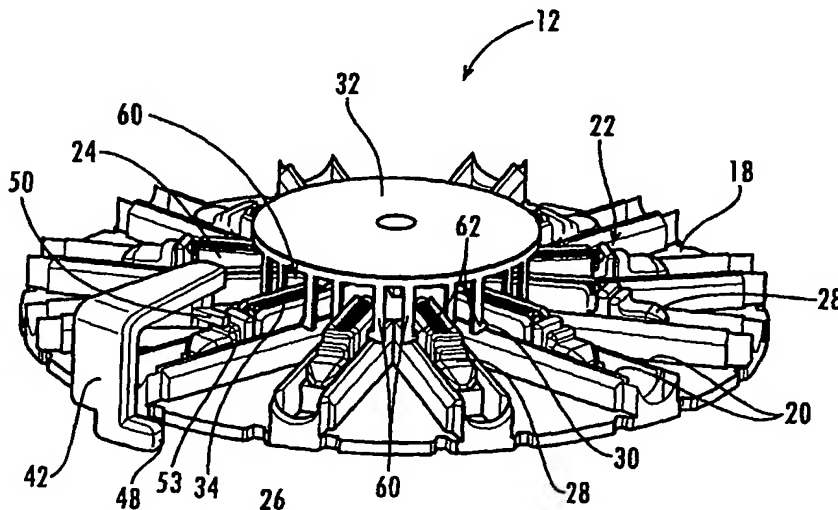
(74) Agent: **GROFF, Bradley, K.**; Gardner Groff, P.C., 100 Parkwood Point, 2018 Powers Ferry Road, Suite 800, Atlanta, GA 30339 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: BLOOD SAMPLING DEVICE



(57) Abstract: A sampling device having a lancing apparatus, and optionally a detector and a meter. The lancing apparatus includes a replaceable cartridge of lancets, each lancet having an independent arming and drive mechanism enabling non-sequential and/or simultaneous firing of lancets. A lancet retainer independently associated with each lancet is movable to uncover an opening through which the lancet tip passes, and to release the lancet for activation. The lancets can be actuated in any order, and multiple lancets can be simultaneously actuated, if desired.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
10 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.